

Application No. 10/059,019

IN THE CLAIMS:

Please cancel claims 1-7 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claims 8-11 as follows:

LISTING OF CURRENT CLAIMS

1-7. (Canceled)

8. (New) A method for displaying a statistical chart on a scientific plotting type calculator, which comprises the steps of:

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- a) detecting a plurality of data sets transferred from an input unit utilizing a central processing unit, each of the plurality data sets including an X value, a Y value, and a T value;
- b) saving the plurality of data sets in a memory unit;
- c) determining whether a modification of the X value of the plurality of data sets is received from the input unit utilizing the central processing unit;
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- d) executing an edit operation and modifying the X value for the plurality of data sets utilizing the central processing unit when the modification of the X value of the plurality of data sets is received from the input unit, and proceeding to step f) when the X value of the plurality of data sets is not modified;
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- e) determining whether a modification of the Y value of the plurality of data sets is received from the input unit utilizing the central processing unit;
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- f) executing an edit operation and modifying the Y value for the plurality of data sets utilizing the central processing unit when the modification of the Y value of the plurality of data sets is received from the input unit, and proceeding to step h) when the X value of the plurality of data sets is not modified;

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- g) determining whether a modification of the T value of the plurality of data sets is received from the input unit utilizing the central processing unit;
- h) executing an edit operation and modifying the T value for the plurality of data sets utilizing the central processing unit, when the modification of the T value of the plurality of data sets is received from the input unit, and proceeding to step i) when the X value of the plurality of data sets is not modified; and
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- i) plotting a simulated three-dimensional graph representing the plurality of data sets utilizing the central processing unit to plot the simulated three-dimensional graph on an LCD display of an output unit, wherein the simulated three-dimensional graph includes a plurality of dots connected by lines, each of the plurality of dots represents at least two values for each of the plurality of data sets selected from the group consisting of the X value, the Y value, and the T value.
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9. (New) The method according to claim 8, wherein the plurality of data sets transferred from an input unit in the detecting step a) are input by a user.
10. (New) The method according to claim 8, wherein the plurality of data sets transferred from an input unit in the detecting step a) were previously stored in the memory unit.
11. (New) A statistical chart display device for a scientific plotting type calculator comprising:
- a) central processing unit having:
- i) an input/output buffer;
- 5 ii) an input editor and a graph/text converter electrically connected to the input/output buffer;
- iii) an algebraic logic counting unit electrically connected to the input editor; and

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- iv) a time generator, a text display buffer, a data read access memory, and a graph generator electrically connected to the algebraic logic counting unit, the graph/text converter electrically connected to the time generator, text display buffer, and a graph display buffer, the graph display buffer electrically connected to the graph generator;

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- b) an input unit electrically connected to the central processing unit;
c) an out put unit having a display and electrically connected to the central processing unit; and
d) a memory unit electrically connected to the central processing unit.
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